



COPY OF PAPERS  
ORIGINALLY FILED

2634

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dent

Serial No. 9/500366

Filed: February 8, 2000

For: **8-PSK Transmit Filtering Using  
Reduced Look Up Tables**

Attorney Docket No. 4015-359

Group Art Unit 2634

#4/A  
L. McLaughlin  
7-8-06

Raleigh, North Carolina  
June 20, 2002

**PRELIMINARY AMENDMENT**

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

**RECEIVED**  
**JUN 27 2002**  
Technology Center 2600

**In the Specification**

The paragraph beginning at the bottom of page 6 on line 21 should be amended as follows:

Using the rotated signal constellation, the real or I waveform points become expressible as linear functions of two bits B2, B2' and the imaginary or Q waveform points become expressible as linear functions of B1, B1'. Denoting the filtering operation by a function F, then the following relationship exists between the I and Q waveforms and the binary values B1, B1', B2, and B2':

**In the Claims**

Please amend claim 21 as follows:

21. (Amended) A method for generating a modulation waveform for transmitting octal symbols, the modulation waveform comprising a real part and an imaginary part comprising:

A  
CST